

Collection:

Figure 3: Esterification of a carboxyl group using pentafluoropropanol in the presence of

an anhydride.

ng Drug/mg hair 0.000 + 5.000 1.000 2.000 3.000 6.000 7.000 8.000 Batch addition of 900 uL of modifier to ext. vessel 450 atm, 100 C, 15 min static, 30 mL dynamic Flow rate: 2 mL/min SFE Conditions: CO2 + Methanol/Water/TEA (2:1: Hair sample mass extracted: 20 mg SFE Performed on ISCO 3560; Extract quantification by GC-MS following HFAA Derivatization Comparison of DRS and NIST Results for a Hair Certified Reference (NIST SRM 2379) TA: DRS Result, ng/mg ■ NISTCertified Result, ng/mg

Amp

Methamp

РСР

CE

Target Analyte Cocaine

FIGURE 4

FIGURE 5

